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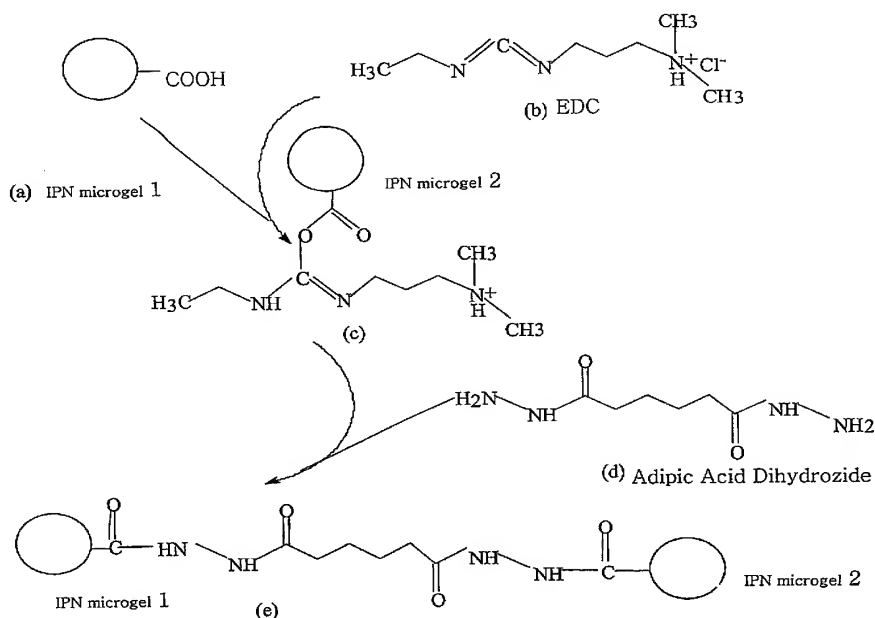
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[Continued on next page]

(54) Title: AN AQUEOUS DISPERSION OF HYDROGEL NANOPARTICLES WITH INVERSE THERMOREVERSIBLE GELATION



(57) Abstract: An aqueous dispersion of hydrogel nanoparticles and methods of making the aqueous dispersion of hydrogel nanoparticles having an interpenetrating polymer network ("IPN") are described. The uniform sized mono-disperse IPN nanoparticles have inverse thermo gelation properties that allow therapeutic medications to be uniformly distributed in a liquid form of the aqueous dispersion of hydrogel nanoparticles. Such medications can then be released from a solid form of the aqueous dispersion of hydrogel nanoparticles in time dependant manor.

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